

THE RUSSIAN LAKHOVSKY REJUVENATION MACHINE

By Associate Bob Beck

In September, Dr. L.O. Anderson, Anderson Research Center director and BSRAssociate, phoned me about a "marvelous electronic machine" purported to "cure" almost any human ailment. I've looked into dozens of these "modalities" every year; so with extreme scepticism I gathered instruments and took off to check another possible hoax.

I found a heavy spark-gap Tesla Coil inside a four-foot cabinet. This console was rigged to circular "antennas" and was partially shielded inside a home-built Faraday cage in the living room of Dr. Anderson's friend. It hadn't functioned in over a decade, and had been given up by some twenty-odd medical instrument repairmen and engineers as unfathomable.

The machine, which had no nameplate or other identification, turned out to be a Lakhovsky "Multiple Wave Oscillator", or MWO. Fortunately, the present owner had found patents and two books describing its operation. We were able to reconstruct the circuits and after several hours had it operating perfectly. The machine was not a hoax!

Lakhovsky did his research prior to World War II and died in 1942. No infringement can be involved in duplicating Lakhovsky's work, since his U.S. Patent #1,962,565 expired in 1951 and is in public domain. I found from the literature, "The Waves That Heal", that Multiple Wave Oscillators are extensively used in hospitals in France, Germany and Italy, and although tested in a New York hospital with fantastic success, MWOs remain practically unknown in the United States. "Waves That Heal" was written by Mark Clements and published by Health Science Press, Kent Cottage, The Brambles, Austington, Sussex, England, price 6 shill.

MDs testing Multiple Wave Oscillators reported up to 98% cures of terminal cancer, arthritis and other "hopeless" conditions. Case histories were complete with before-and-after photos. Often rejuvenation was demonstrated, not only in human beings but in plants and animals as well!

So, on Sept. 18th I designed and built a modern (technologically) MWO based on Nikola Tesla and Lakhovsky's original work and patents. The transistorized instrument fits into a briefcase and weighs under 14 lbs. Experiments with the MWO on some eighteen volunteers have demonstrated almost unbelievable results. At this writing, Oct. 20th, every single subject, including myself, reports fantastic gains.

My mother, age 72, who has suffered from hypertension and glaucoma for many years, measured absolutely normal blood pressure the morning after her first treatment. And the eye tension, tested by her MD the week following, had dropped to a lower point than in the previous two years. Another woman with a long-standing back condition says she was

permanently relieved in one 15 minute exposure. An ashmatic with chronic bronchial complications claims he is now symptom-free after two exposures and her husband with a bad dermatological condition of seven years history appears to be very definitely improved. Perhaps the most dramatic is Mr. N.V.C. who had broken his leg skiing last December. Because of an old polio complication the broken leg had never healed and flesh surrounding the fracture was in a very poor, waxy condition. After one exposure he phoned to say he had regained feeling in the area. The next day we made an "after" photo slide of nearly normal tissue.

A friend suffering allergies of long standing says she can now eat anything and her MD admits he was startled by her youthful appearance and new vitality. The Lakhovsky literature illustrates many such rejuvenations as an unexpected side effect of cancer cases (pg. 32 to 40 in book). Subject's wrinkles disappeared along with the tumors!

THEORY OF OPERATION

Lakhovsky pointed out that all cells capable of reproduction contain in their nuclei "filaments" of highly conductive material surrounded by insulating media. This filament, which may be the RNA-DNA complex, is always in the form of a spiral or helix, in other words, a coil. Therefore, each will react as a tuned circuit if its resonant frequency can be approximated by an external oscillating coil.

Lakhovsky did not carry this to its conclusion; however, I postulate that by exciting the nuclei with electromagnetic energy a "charge" can be induced by the long established principle of electromagnetic induction. This demonstrably raises the energy level and perhaps the vitality of every cell in the field simultaneously. Since each cell is an individual, and of slightly different physical dimensions, the exciting wavelengths must be multiple, and must span a broad frequency spectrum. Diathermy machines, limited to crystal-controlled single frequencies in the 27.255 MC region, can do nothing but heat the tissue; and yet this approach, abandoned by Lakhovsky in the 1930s, can still be found in "modern" doctor's offices!

The Electromotive Force (emf) produced by the HWO and induced in the cell nucleus, can raise the cell's metabolic rate by Electrolysis, and perhaps jog the RNA-DNA "memory" and reproductive capabilities to their level at an earlier, younger age, thus the rejuvenation. Even more subtle changes might be postulated, such as magnetic "progression" effects as evidenced by heavy water in magnetic fields.

By contrast, any chemical taken into one's system by mouth or by injection -- such as vitamins, food or medicine -- must first be absorbed in proper solution and ratio with unknown trace elements, then be transported by the blood to affected tissue only to be possibly rejected by the target areas.

Perhaps in cancer the emf induced by the HWO raises the vitality and memory of marginal cells to normal reproduction levels. In the case of other disease, perhaps cells given higher energy levels can more readily throw off affliction.

A WAVE FOR EVERY BODY CELL

The Multiple Wave Oscillator described here radiates a bandwidth of radio frequency energy from the audio frequencies up beyond microwave frequencies. By actual measurement with standard field strength meters, this vast bandwidth of frequencies and harmonics can be shown. In fact, a bluish glow of "brush discharge" surrounds the antenna when operating. A fluorescent lamp held anywhere within several feet of the subject glows brilliantly. Within this multiple-wave range of frequencies, every cell in the body can find its ONE resonant frequency and absorb energy at its own natural wavelength.

Obviously the Electrostatic energy cannot penetrate the body. This is known as "skin effect". However, the Electromagnetic component of the energy can and does permeate and will induce an emf in each cell. It is precisely this energy to which Lakhovsky attributes his almost miraculous "cures".

A word of warning, although no deleterious side effects have ever been reported for human reactions, the MWO has input power exceeding 35 watts. It radiates RF interference over a bandpass of 15 Kilocycles to well beyond 250 Megacycles. This blocks AM, FM and Television reception for hundreds of yards. Be careful, the Federal Communications Commission has stiff penalties for unlicensed transmitters and radio and TV interference -- not to mention making all your neighbors very unhappy. We operate our machine in a shielded room, and the battery input prevents RF interference from feeding back into power lines.

The deluxe MWO diagrammed here can be built by any intelligent 16-year old with readily available electronic parts for under \$35.00. I do not plan to build, manufacture, sell, or otherwise exploit this device, as my interest is purely in research. Several Associates given this circuit have successfully constructed MWOs. Ed Skilling built his in one afternoon and reports equally fantastic results. Bob Ceddiss and Howard Miller have other MWOs underway. Art Aho is building a fourth unit. We would certainly like to hear from any BSRAssociates who undertake this project, but please do not communicate until after building the unit. Our phone has been running off the hook for weeks! I absolutely will not and cannot correspond with individuals over details which any intelligent person should be able to thresh out with his own technical friends and Associates!

My own Multiple Wave Oscillator, Ed Skilling's, and perhaps three others will be available for observation and experimentation during the November 8th through 11th Borderland Convention at Harmony Grove, California.

At one stage we had planned constructing a much higher powered unit but the results with the "portable" are so gratifying that Model Two was shelved. Extensive tests are scheduled with plants and animals, and every effort is being made to remove any element of "suggestion" from results. A physician friend is cooperating with the project by sending a few "problem" patients for tests. It is much too soon, however, to make a finished statement concerning the MWO's potential. No cures can be claimed even if obviously demonstrated, since our laws are

controlled by medical unions forbidding the use of the word except by MDs. But I have satisfied myself with nearly twenty miracles in these few weeks of tests that MWO might well be the most promising device to come to light in many years.

I have one request, however, that no one building this device ever be tempted to charge a fee, donation, or reimbursement of any kind whatsoever for its use. I feel most strongly that any device potentially helpful to suffering humanity should be available completely free of charge to anyone needing it.

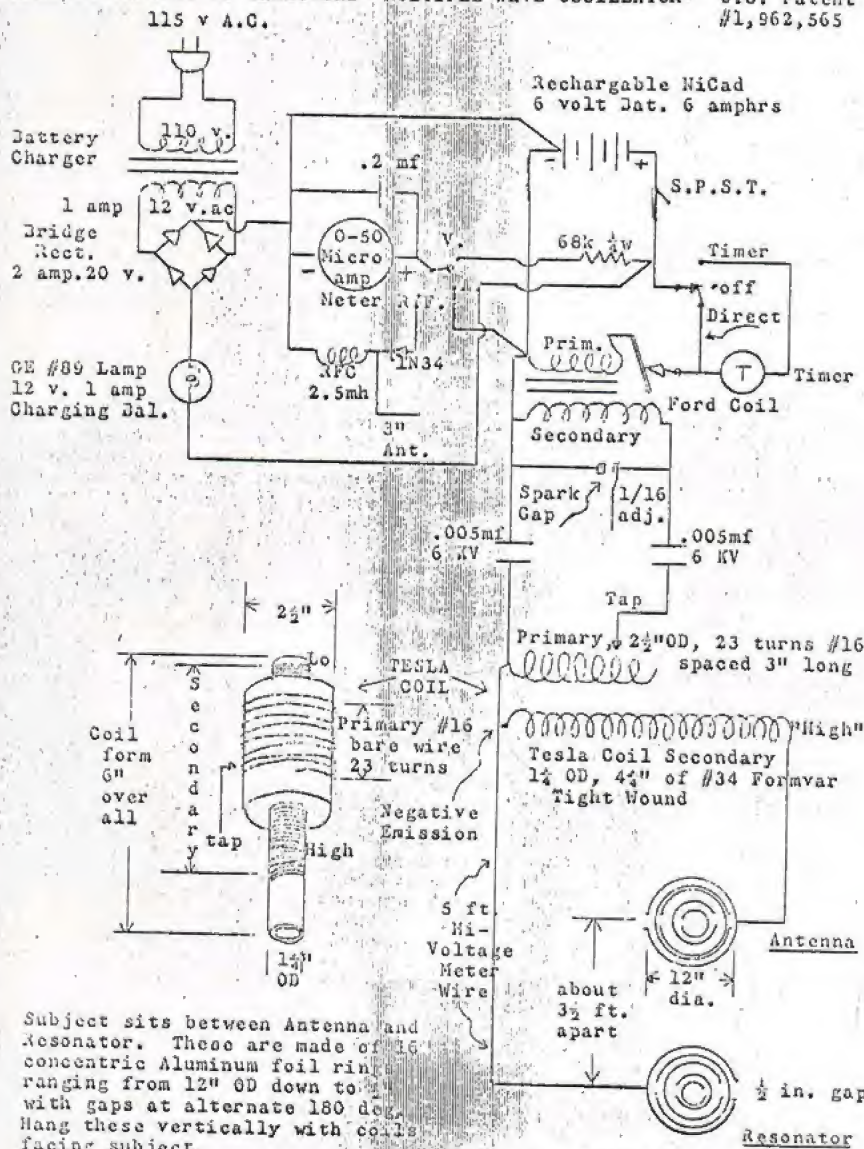
CONSTRUCTION TIPS

My MWO is built on a 11 x 11 1/2 inch panel. Components extend 3/4 in. below this, so the unit fits nicely into a small attache case. The 6 volt battery was a Sonotone lifetime Nickel Cadmium unit; however, five war-surplus NiCads wired in series and costing \$1.95 each would be less expensive. The Ford Model T coils are still available at Pep Boys auto stores at \$4.69 list. My first unit used a transistorized driver for the Tesla coil, but the Ford coil works equally well, is far cheaper, but has the disadvantage of making a buzzing noise. The spark gap was made from salvaged tungsten relay contact points about 1/4 inches in diameter. The relay spring arm can be tuned by a nylon 6-32 screw adjusting its natural spring tension. The gap must be carefully tuned for maximum output for every individual, since the subject's absorption seems dependent on his body fluids and weight. Adjust for maximum sparking at the antenna rings.

The automatic timer, zero to 15 minutes, the meter, the internal battery charger, the RFC circuits, etc., are all simply conveniences and may be left out of the circuit without in any way subtracting from results. By not building in these deluxe features, the entire MWO will cost about \$18.00 for all parts, including the attache case! Use plastic instead of metal screws around the high-voltage coil. High voltage capacitors cost about 50¢ each at surplus stores, or three for one dollar. The Tesla coil is hand wound.

We have determined experimentally that a workable pair of antennas, radiator and resonator, can consist of 16 concentric rings ranging from 12 inches OD down to 1/2 inch. These were constructed by cementing a one-foot square of Reynolds kitchen aluminum foil to a 12 inch square of thin Formica, or plastic, support. The outline of each set of circles was carefully scribed with a sharpened compass. By repeated scoring, the aluminum foil was cut through to the board and the waste area strips pulled away before the cement hardened. Excess cement was removed with a solvent. The gaps were then cut with a razor. Gaps are alternated in position each 180 deg. per drawing. In use, the second from the outside ring, 10 1/2 in. diameter, is connected to the high side of the Tesla secondary. This is the radiator coil. The arcing from this ring to the outside ring causes the "shock excitation" of the fourteen other antenna elements. Since each radiator is of different diameter, the array spans a broad, multiple-wave segment of the Radio frequency spectrum. The other antenna element, called the Resonator, is connected with a five foot, high-voltage meter wire to the ground side of the Tesla coil secondary (Lo or Ground or Common).

IMPROVED VERSION OF LAKHOVSKY "MULTIPLE WAVE OSCILLATOR" U.S. Patent #1,962,565



ANTENNA AND RESONATOR RINGS - Outside Diameter, Thickness, Gap

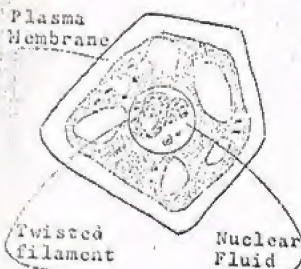
12 in.	3/8 in.	1/2 in.
10 1/2	1/4	
9 5/8		
8 3/4		
7 7/8		
7 1/8		
6 5/16		
5 11/16		
5 0/0		
4 7/16		
3 3/4		
3 1/8		
2 3/8		
1 11/16		
1 0/0		
1/2		

The gap between rings gradually diminishes in a uniform ratio.

1/8

The antenna and resonator are suspended from non-conductive supports about 3 1/2 ft. apart, such as wooden chairs with no nails or screws. The subject, with all metal removed from his person -- including belt buckles, zippers, hooks, fasteners, coins, hairpins, earrings, rings, metal brassiere fasteners, etc. -- is seated on a wooden or plastic rest between the antenna and resonator. Experiment should last from nine to not over 15 minutes. A four-day interval between experiments is recommended. Four such experiments over 16 days should suffice to demonstrate anything.

Warning. Two-inch sparks can be drawn from antenna or resonator, so keep subject at least three inches away. If touched directly a mild and perfectly harmless sting can be felt. This can be unpleasant and should be avoided. Effects can be demonstrated in a darkened room by holding a fluorescent lamp anywhere near the subject. The RF energy will cause the lamp to light brilliantly although no wires are touching it. Field strength measurements read several watts of power from the audio frequency spectrum to beyond 250 megacycles.



From Clements' book, "Waves That Heal", Lakhovsky's microscopic drawing of a living cell. "In the centre is a twisted filament which, possessing self-inductance and capacity, constitutes an oscillating circuit. The similarity to a short-wave circuit is manifest; the filament, shown here oscillates like a coil having a very small number of spirals." He says that Lakhovsky wrote: "Every living being emits radiations." And Clements adds "the living cell can thus play the part of a transmitter or receiver of exceedingly short radioelectric waves which give rise to high frequency currents in the circuits of the cellular nucleus."

treatment is given every 4 days for a duration of 5-15 minutes per session. This is the technique which has given me the best results after having experimented with many other forms of application. For children, old people and debilitated women, a relatively weaker application is indicated. If results are not apparent after 7 or 8 applications, I continue until 15-30 applications are given at the rate of a single treatment once a week. I have never observed any ill-effects from the MWO treatment, whatever the number of applications was in any given case. Moreover, the general condition of patients is always improved, even if only temporarily, so much so that the patients themselves sometimes insist on having further treatments. . . ."

This chapter on the MWO concludes with four pages of reports of notable improvement or cure by American doctors. Chapter Five is concerned with the remarkable results obtained by using the Multiple Wave Oscillator on animals. Chapter Six contains Lakhovsky prophecy that some time in the future diagnosis of disease would be obtained by television! This is something which Dr. Brown's Radio-Vision instrument and radionics instruments have already accomplished.

THE NOVEMBER CONVENTION TESTING PROGRAM

There were two Multiple Wave Oscillators available. These were generously furnished by Bob Seck and Ed Skilling, and were set up in the shielded seance room. Only short exposures of from 2 to 5 minutes were given, during the lunch and dinner hours on Saturday and Sunday. In that time perhaps a 100 people volunteered for tests. Until a follow up inquiry is made, no statistical conclusion can be made, or even begun!

A few individual cases reported to your Director are worthy of note, including my own. By mid-morning on Saturday a spinal injury from my old, hockey-playing days was acting up. Doctors have called it a spasm in the sacro-iliac area. Ed Skilling invited me to sit in the rays from the MWO for a couple of minutes while the seance room was being readied for the testing. Within a minute the spasm relaxed completely and the pain was gone. This was not a permanent change, of course, but the analgesic effect was certainly noticeable.

Mrs. Fred Rannenber, financial secretary of Harmony Grove and a BSR Associate, told me she had had a sharp pain in the area of her left hip for over two weeks at the time of the Convention. One 3-minute exposure to the rays of the MWO removed this completely. When I attended the Grove Board meeting a week later she said the pain had still not returned.

One Associate did report a negative reaction to the MWO. She attributed it to arsenic poisoning. She had had a severe case of this earlier in the year. When the machine was turned on she felt a severe pain through her right side, as though someone had jabbed a knife into her. It could be that some of the lead poison was still in her system and the stirring of the cells in the mid-section produced this reaction. It was endurable, however, and she sat out the exposure without a murmur. The pain persisted that night and she had to put cold compresses on her side to get to sleep. The next morning she felt fine and was eager to take another exposure to the multiple waves. This time there was no

negative reaction.

The most startline subject of all was the woman who had been awake all Saturday night with a migraine headache, an old and recurring ailment. By Sunday morning, Nov. 10th, she was sick and nauseated. It was suggested that before taking her to a doctor or hospital she be given a short exposure to MWO rays. Within minutes all pain was gone and she returned to her cottage to lay down and sleep like a baby.

THE PSYCHEDELIC EFFECT

Ed Skilling is the only one we know of who has stayed in the MWO field or rays for longer than 15 minutes. While testing and adjusting his equipment at his microphone factory several weeks ago he deliberately stayed between the antennas for an hour? At the end of that time he was beginning to feel so light-headed and dreamy he thought it a good idea to get out before losing consciousness altogether.

An even more spectacular possibility is the Time-Machine effect in connection with rejuvenation. If, as Bob Beck suggested in his article, the MWO tends to take the body cell back down the time-track to a more youthful, more vital period, what would happen to a person who stayed in the field of the machine for four hours? Would his vibratory rate be speeded up to where he would disappear completely? Like the hero of H.G. Wells' "Time Machine"? Anybody want to try it? It seems, from hints George Van Tassel has been dropping over the years, that his integration at Giant Rock, California might do something like this -- if and when he gets it working? As I recall, both George and the Canadian Saucerian, the late W.B. Smith, spoke of the four dimensions of electricity: 1. is the electricity moving in one direction along a copper wire, 2. is the magnetic field around the wire, 3. is the static charge created by the first two effects, and 4. is Time -- or the "tempic field" as Smith called it. The Time Field equates with Space, where consciousness is everywhere present. Seems to me Lakhovsky's Multiple Wave Oscillator is a gadget which gives us the opportunity -- for the first time -- of approaching the Time Field with scientifically acceptable equipment, operating in known frequencies. Remember, that with its circular antennas it operates on the vortex principle. Each individual antenna in the group is a segment of a 60 degree cone. The $\frac{1}{2}$ in. gaps, at alternate 180 degrees from each other, conform to the alternating principle and give a damped or pulsed wave.

THE SPACE AGE EFFECT

Copies of our November Journal have gone all over the world. Each day's mail brings new orders. We are confident that Lakhovsky's invention, far ahead of its time in the 1920s and 30s, has been given a new lease on life and will be pushed to its ultimate development on every continent. There will be vigorous opposition from the right-wing conservatives and reactionaries. Their resistance will furnish the platform from which electronic "medicine" will eventually sweep the world.

I see the day when a device, similar to the MWO, will be a standard part of every home bathroom or cleansing center. You will consider it as necessary and as routine to take an electronic showerbath, as

as to take a water bath. Home from work, tired, dirty and discouraged, you strip, flip on the MWO switch, and while shaving, doing your hair or whatever, re-balance your whole system with a two or three minutes exposure to the pulsing waves from the oscillator as they flood the whole room. For the sale of the house of the future it will be as important for the ad to say "shielded bath with MWO" as it will to say "tile bath with radiant heat".

Mr. Skilling told me he was tired and "dragged out" after processing dozens of volunteer "guinea pigs" late Saturday afternoon. Before shutting down the equipment he sat in the nail-less wooden chair between the antennas and gave himself a three-minute shot of pulsed waves. Refreshed and revived he looked forward to a good dinner and the full evening program.

I don't know of a better Christmas gift we could have given the Associates than the idea and the plans for the Lakhovsky MWO, researched and so generously offered us by Bob Beck in the true borderland science tradition. Now it is up to you to carry it forward in your own individual way. We welcome your comments, observations and research data as you develop equipment and a testing program.

BSRA RESEARCH DIVISION

This is headed by Ed Skilling and Gene Hurtienne, with Ed developing new borderland gadgets and Gene working on design and packaging. As soon as components and general shape of Ed's bench-model MWO are finalized Gene will get busy on design of a Do-It-Yourself kit, price undecided yet. Fortunately, Ed and his business associate, Bob Gerdes, have an electronic shop in being. They have been manufacturing the hand-tailored Omega Condenser Microphone for over a year. This retails for over a hundred dollars. If you have the cash and don't want to wait until the kit is developed, they'll be glad to make hand-made MWO models with professional skill, ready to go for \$69.50, sold only through BSRA. We felt this was a reasonable price for know-how, labor and material. Add a couple of dollars for postage and insurance, and 4% retail sales tax if you live in California. As we have no operating capital you must send cash with order, and allow at least two weeks for delivery.

The research program on the Multiple Wave Oscillator will continue at Harmony Grove. Love offerings made during the testing at the Convention totaled \$100. At the regular Board meeting a week later it was voted to spend this money for an MWO and for copper screen and aluminum for shielding material. One of the old sleeping cabins will be converted into a healing shrine where science and religion can meet. As far as the Harmony Grove Spiritualist Association is concerned, this will be a continuation of the ministry of the Healing Christ begun in 1896. As far as BSRA is concerned, this is a continuation of our research program begun in 1945 by Meade Layne. Every person who volunteers to be exposed to the rays of the MWO will have to fill out a BSRA research data questionnaire, giving his name, address and vital statistics. No one who offers his services will be refused, but anyone who has the means will be expected to make a reasonable contribution toward the continuation of the work.

seem to have a subtle but very real affect on the wearers. We have an article on the "Lakhovsky Circuits or Belts" from Associate A.E. Powell, a retired lieutenant colonel of the British Indian Army, and will print it in full in the March Journal; for those of you impatient to experiment with them, we quote from Col. Powell's article.

THE LAKHOVSKY OSCILLATING CIRCUIT

"The Belts can be made by almost anyone, for a few cents. At most hardware stores, for a few cents per foot, one can buy twin electric cable, insulated with white rubber, used for lamps, etc. Get the smaller size, $\frac{1}{4}$ inch wide, having 42 strands of copper wire. Slit an end with a knife and the two wires easily tear apart.

"For the button, get white sheet plastic about $\frac{1}{8}$ th inch thick, saw it into pieces about 1 $\frac{1}{2}$ by $\frac{5}{8}$ ths inches, and drill near each end a hole large enough to take two wires. Round the corners of the plastic and bevel edges. Thread the wires, from opposite directions, up through one hole and down through the other, leaving about half an inch projecting beyond each end of the button. Where a circuit can be slipped off the body without unbuttoning, you may overlap the ends of the wire belt an inch or two, bind with fine string and smear with Duco cement for strength.

"Parallelism and overlap of the ends are important. This builds up capacitance, produces inductance and generates an alternating current. Circuits may be worn, as many as you please, round chest, waist, neck, arms, wrists, legs, ankles, neck or head continuously. Water will do them no harm.

"Gladly will I supply Circuits, in any quantity, with buttons or bound ends. To avoid trouble with the Food and Drug people, I make no charge. Donations, however, are acceptable, and go intact into my Fund for the Sick. For long this has been doing fine work and I'm sure you would approve. For reasons stated I make no claims whatsoever for the Circuits, nor guarantee nor promise of any kind. If you want to give them a trial, that is wholly your affair."

Col. A.E. Powell
6121 Hazelhurst Place
No. Hollywood, California

TWO USED TWENTY YEARS AGO

"The recent article in the J.S.M. Journal pertaining to the Lakhovsky Oscillator is of special interest to me. First, I am an engineer, Physician and Surgeon, and a Scientific Consultant for the U.S. Government. (Technical Intelligence). I am not in any manner snooping for the government. This is completely personal. We built several oscillators in 1944. These were used in my sanitorium in Dallas where we had some startling results. As we did not have the proper facilities to research the instruments adequately, we became more and more conservative. Many patients would show reactions, resembling the old fashioned Flu, after a few days following exposure to the oscillator. I realized we were using too much power, so cut the level several times with good results;

but we did not completely eliminate the side effects. In 1945 I was sent to Germany for the Government to explore Electro-biology and Diophysics in its application to electro-medical equipment. I felt it wise to destroy the machines so in judicious use would not be indulged. The possibilities have intrigued me ever since. It looks as though you have solved most if not all of the problems involved. Hence my renewed interest. The excess power upset the enzyme complex of the body, or as some felt, distorted the double electric layers of charge carried on the cells, hence allowing for the penetration of virii directly into the cells (virii operate within the cells -- bacteria operate between the cells). Cells as well as organs function in a force field so mild oscillating currents not only work through resonance but seem to regenerate these force fields. Here is where application to cancer can be optimistically explored."

Speak for your own state, Doc! Here in California the medical association has decreed that only four forms of treatment for cancer are legal, drugs, surgery, burning rays and death.

"Proof of energy flow from the fingers and thumb is here and must be recognized. We have demonstrated it by its effect on Yeast cells, viewed under the microscope (Girwich research) whether it comes from the conscious and the sub-conscious mind is harder to prove, but I am impelled to believe it does. This may interest you. Years ago we experimented with crystallization. Precipitated water vapor to snow flakes in a chamber with electrodes planted in two sides. When we threw a current into chamber at a given frequency the flakes were all the same. Changing the wave length changed the crystallization pattern. Each frequency had its own pattern. Here is the explanation of energy absorption by the chemical used, and the control of the crystalline patterns by the nature of the energy flowing."

Naturopaths are in 100% disagreement with the doctor's above explanation of the side affects of his use of the MWO on his patients. If I understand the theory correctly, according to the natural view of colds, Flu, virus infections, etc., these are attempts by the human organism to throw off mucous, to eliminate intolerable accumulations of poison from the system. Exposure to the field created by the MWO tends to raise the general tone of the whole system by stimulation. The raised vibrations release an unusual amount of mucous and other junk into the elimination channels, and until this is eliminated one would have a cold or Flu and the usual aches and pains which generally go with such a condition.

Another doctor stopped by here not long ago to tell of his sad experience in trying to use spark-gap electronic equipment in his medical practice "for those suffering patients not helped by drugs". This powerful, high-frequency machine produced a two-inch spark! Every time he turned it on, everyone in town seemed to know it and the phone would ring. Even a Faraday cage didn't shield the output of this monster. Finally he was called before the county medical board to explain what he was doing. The board presented a staggering combination of fatuous conceit and stubborn ignorance. "They didn't want to know anything about the affects of radio waves on the body and didn't care!"